

## REQUEST FOR ACCESS TO AN ABANDONED APPLICATION UNDER 37 CFR 1.14

Bring completed form to:  
File Information Unit, Suite 3A20  
2800 South Randolph Street  
Arlington, VA 22206  
Telephone: (703) 756-1800

In re Application of

JUN 16 2011

Application Number

08/949 850

Filed

10/14/97

Paper No.

#33

I hereby request access under 37 CFR 1.14(a)(1)(iv) to the application file record of the above-identified ABANDONED application, which is not within the file jacket of a pending Continued Prosecution Application (CPA) (37 CFR 1.53(d)) and which is identified in, or to which a benefit is claimed, in the following document (as shown in the attachment):

United States Patent Application Publication No. \_\_\_\_\_, page, \_\_\_\_\_ line \_\_\_\_\_

United States Patent Number 6559379, column \_\_\_\_\_, line \_\_\_\_\_

WIPO Pub. No. \_\_\_\_\_, page \_\_\_\_\_, line \_\_\_\_\_

#### Related Information About Access to Applications Maintained in the Image File Wrapper System (IFW) and Access to Pending Applications in General

A member of the public, acting without a power to inspect, cannot order applications maintained in the IFW system through the FIU. If the member of the public is entitled to a copy of the application file, then the file is made available through the Public Patent Application Information Retrieval system (Public PAIR) on the USPTO internet web site ([www.uspto.gov](http://www.uspto.gov)). Terminals that allow access to Public PAIR are available in the Public Search Room. The member of the public may also be entitled to obtain a copy of all or part of the application file upon payment of the appropriate fee. Such copies must be purchased through the **Office of Public Records** upon payment of the appropriate fee (37 CFR 1.19(b)).

For published applications that are still pending, a member of the public may obtain a copy of:

the file contents; the pending application as originally filed; or any document in the file of the pending application.

For unpublished applications that are still pending:

- (1) If the benefit of the pending application is claimed under 35 U.S.C. 119(e), 120, 121, or 365 in another application that has: (a) issued as a U.S. patent, or (b) published as a statutory invention registration, a U.S. patent application publication, or an international patent application publication in accordance with PCT Article 21(2), a member of the public may obtain a copy of: the file contents; the pending application as originally filed; or any document in the file of the pending application.
- (2) If the application is incorporated by reference or otherwise identified in a U.S. patent, a statutory invention registration, a U.S. patent application publication, or an international patent application publication in accordance with PCT Article 21(2), a member of the public may obtain a copy of the pending application as originally filed.

Brian S. Willingham

Signature

Brian S. Willingham

Typed or printed name

6/16/11

Date

## FOR PTO USE ONLY

Approved by BR (initials)Unit: File Information Unit

JUL 16 2011  
Brian S. Willingham

This collection of information is required by 37 CFR 1.11 and 1.14. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. BRING TO: File Information Unit, Suite 3A20, 2800 South Randolph Street, Arlington, Virginia.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



US006559379B2

(12) **United States Patent**  
Solanki et al.

(10) **Patent No.:** US 6,559,379 B2  
(45) **Date of Patent:** May 6, 2003

(54) **PRESSURE SENSOR WITH TRANSDUCER  
MOUNTED ON A METAL BASE**

(75) Inventors: Dinesh Solanki, Santa Clara, CA (US);  
Janusz Bryzek, Fremont, CA (US)

(73) Assignee: NovaSensor, Inc., Fremont, CA (US)

(\*) Notice: Subject to any disclaimer, the term of this  
patent is extended or adjusted under 35  
U.S.C. 154(b) by 0 days.

(21) Appl. No.: 09/815,900

(22) Filed: Mar. 22, 2001

(65) **Prior Publication Data**

US 2001/0009195 A1 Jul. 26, 2001

|              |           |                                  |
|--------------|-----------|----------------------------------|
| 4,984,466 A  | 1/1991    | Yasui et al.                     |
| 5,139,973 A  | 8/1992    | Nagy et al.                      |
| 5,207,102 A  | 5/1993    | Takahashi et al.                 |
| 5,239,806 A  | 8/1993    | Maslakow                         |
| 5,263,241 A  | 11/1993   | Hart, Jr. et al.                 |
| 5,263,242 A  | 11/1993   | Singh Deo et al.                 |
| 5,289,344 A  | 2/1994    | Gagnon et al.                    |
| 5,386,342 A  | 1/1995    | Rostoker                         |
| 5,394,751 A  | 3/1995    | Ishibashi                        |
| 5,424,249 A  | 6/1995    | Ishibashi                        |
| 5,436,407 A  | 7/1995    | Fehr et al.                      |
| 5,436,492 A  | 7/1995    | Yamanaka                         |
| 5,436,500 A  | 7/1995    | Park et al.                      |
| 5,457,341 A  | 10/1995   | West                             |
| 5,471,011 A  | 11/1995   | Maslakow                         |
| 5,483,098 A  | 1/1996    | Joiner et al.                    |
| 5,483,740 A  | 1/1996    | Maslakow                         |
| 5,543,657 A  | * 8/1996  | Diffenderfer et al. .... 257/666 |
| 5,760,467 A  | * 6/1998  | Itihasi ..... 257/676            |
| 6,303,985 B1 | * 10/2001 | Larson et al. .... 257/676       |

**Related U.S. Application Data**

(63) Continuation of application No. 08/949,850, filed on Oct. 14, 1997, now abandoned, which is a continuation of application No. 08/393,956, filed on Feb. 24, 1995, now abandoned.

(51) Int. Cl. 7 ..... H05K 5/06  
(52) U.S. Cl. ..... 174/52.2; 174/52.4; 257/676  
(58) Field of Search ..... 174/52.2, 52.4;  
257/676, 675, 712, 713; 73/727, 756

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

|             |        |                 |
|-------------|--------|-----------------|
| 4,649,415 A | 3/1987 | Hebert          |
| 4,655,088 A | 4/1987 | Adams           |
| 4,686,764 A | 8/1987 | Adams et al.    |
| 4,850,227 A | 7/1989 | Luetgten et al. |

**FOREIGN PATENT DOCUMENTS**

|    |           |         |
|----|-----------|---------|
| DE | 32 00 448 | 7/1983  |
| EP | 0 286 867 | 10/1988 |

\* cited by examiner

Primary Examiner—Hung V. Ngo

(74) Attorney, Agent, or Firm—Morrison & Foerster LLP

(57) **ABSTRACT**

A three piece housing, designed to house semiconductor chips is molded using a polymer material. The chip sits on a metal base. Electrical leads pass through a molded housing to provide electrical contact between the semiconductor chip and external circuitry.

31 Claims, 5 Drawing Sheets

